Performance Data Sheet

VSC5556BNA

General Information

Model	VSC5556BNA	**Refrigerant**	R-410A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	18200	15600					
	Watts	3080	3350					
	Amps	13.6	15.5					
	Lb/h	220	198					
-10	Btu/h	22000	19500	17000				
	Watts	3110	3400	3770				
	Amps	13.6	15.4	17.5				
	Lb/h	265	245	227				
-5	Btu/h	26000	23400	20900	18400			
	Watts	3130	3430	3810	4300			
	Amps	13.6	15.4	17.5	19.9			
	Lb/h	310	292	276	257			
0	Btu/h	30000	27400	24800	22300	19500		
	Watts	3140	3450	3840	4320	4910		
	Amps	13.5	15.3	17.4	19.7	22.5		
	Lb/h	356	339	325	308	286		
5	Btu/h	34200	31500	28900	26200	23400		
	Watts	3130	3450	3850	4340	4930		
	Amps	13.5	15.3	17.3	19.6	22.3		
	Lb/h	402	388	374	359	339		
10	Btu/h	38500	35800	33100	30300	27300	24000	20100
	Watts	3110	3450	3850	4340	4930	5620	6440
	Amps	13.4	15.2	17.2	19.5	22.2	25.4	29.2
	Lb/h	451	437	426	412	394	368	331
15	Btu/h	43200	40300	37500	34600	31400	27900	23800
	Watts	3080	3430	3840	4340	4920	5600	6410
	Amps	13.3	15.1	17.1	19.3	22.0	25.2	28.9
	Lb/h	501	489	479	466	449	425	390
20	Btu/h	48100	45100	42100	39000	35700	32000	27700
	Watts	3040	3400	3830	4320	4900	5580	6370
	Amps	13.2	15.0	17.0	19.2	21.9	25.0	28.7
	Lb/h	555	544	534	523	507	484	450

25	Btu/h	53400	50200	47000	43800	40300	36300	31800
	Watts	2990	3370	3800	4300	4880	5550	6330
	Amps	13.1	14.9	16.9	19.1	21.7	24.8	28.5
	Lb/h	612	602	593	583	568	546	513
30	Btu/h	59100	55700	52300	48900	45100	40900	36200
	Watts	2930	3330	3770	4270	4850	5520	6280
	Amps	13.0	14.8	16.7	19.0	21.6	24.6	28.3
	Lb/h	674	664	656	646	632	611	579
35	Btu/h	65200	61600	58000	54300	50300	45900	40800
	Watts	2870	3280	3730	4240	4820	5480	6230
	Amps	12.8	14.6	16.6	18.8	21.4	24.5	28.1
	Lb/h	740	731	723	714	701	680	649
40	Btu/h	71900	68000	64200	60200	55900	51200	45800
	Watts	2790	3220	3690	4200	4780	5440	6180
	Amps	12.6	14.4	16.4	18.7	21.3	24.3	27.9
	Lb/h	812	803	795	786	773	753	723
45	Btu/h	79100	74900	70800	66500	61900	56900	51200
	Watts	2720	3160	3640	4160	4740	5390	6130
	Amps	12.4	14.2	16.3	18.5	21.1	24.2	27.7
	Lb/h	889	880	873	864	851	832	802
50	Btu/h	86900	82400	78000	73400	68500	63100	57100
	Watts	2640	3100	3590	4120	4700	5350	6070
	Amps	12.1	14.0	16.1	18.4	21.0	24.0	27.6
	Lb/h	973	964	957	948	935	915	886
55	Btu/h	95300	90600	85800	80800	75600	69800	63400
	Watts	2550	3040	3540	4080	4660	5300	6020
	Amps	11.8	13.8	15.9	18.2	20.8	23.9	27.4
	Lb/h	1060	1050	1050	1040	1030	1010	976

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	7.379248E+04	2.119454E+03	-3.476040E+00	8.782279E+02
C2	8.281616E+02	-6.016132E+01	-5.424755E-02	7.091695E+00
C3	-9.894973E+02	1.211954E+01	3.568071E-01	-1.446220E+01
C4	7.159563E+00	-3.712453E-01	-1.358744E-03	5.394604E-02
C5	7.693431E-01	1.195846E+00	1.416563E-03	2.064601E-02
C6	7.610882E+00	-1.617379E-01	-3.062834E-03	1.385222E-01
C7	6.587195E-02	1.423185E-03	-2.238343E-06	7.950803E-04
C8	-5.087870E-02	1.247977E-03	1.315600E-05	-3.805237E-04
C9	-1.106116E-02	-5.560627E-03	-1.052756E-05	7.029626E-05
C10	-2.610198E-02	2.123659E-03	1.578520E-05	-4.927035E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature